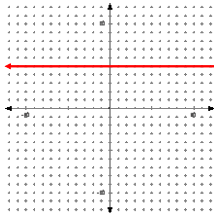
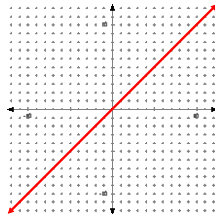


2-6 Special Functions

Constant Function
ex: $f(x) = 5$



Identity Function
 $f(x) = x$



Step function

$$f(x) = [x]$$

The greatest integer function--the greatest integer less than or equal to x .

Examples:

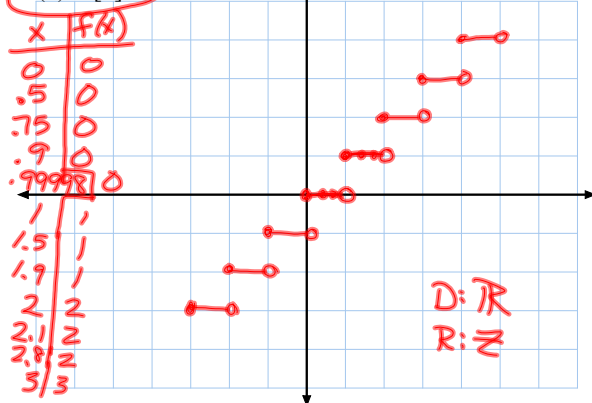
1. $3[4.2] - 5$

$$3 \cdot 4 - 5 = 7$$

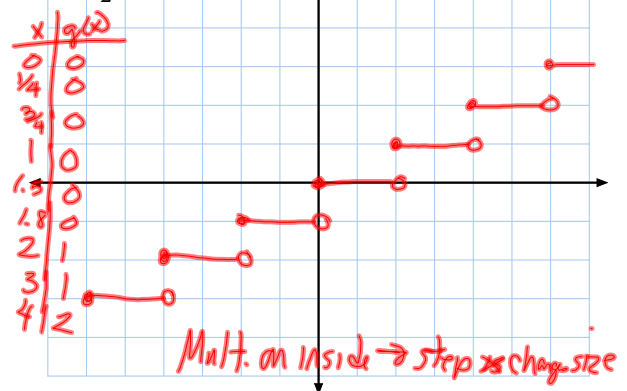
2. $2[6.8] + 3$

$$= 15$$

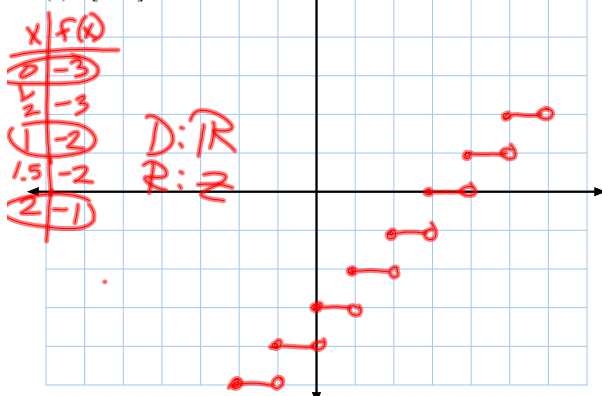
$$f(x) = [x]$$



$$g(x) = \left[\frac{1}{2}x\right]$$



$$f(x) = [x - 3]$$



HW

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